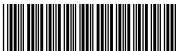



|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>09970929 | <b>Applicant(s)/Patent Under Reexamination</b><br>KOYAMA ET AL. |
|   | <b>Examiner</b><br>Kumar, Srilakshmi K     | <b>Art Unit</b><br>2629   |

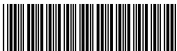
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|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | + | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
|--|----------|------------|------------|------------|------------|------------|------------------------------|--|-------------------------------|--|---------------------------------|--|
| CLAIM  |          | DATE       |            |            |            |            |                              |  |                               |  |                                 |  |
| Final  | Original | 08/15/2007 | 03/21/2008 | 09/14/2008 | 05/20/2009 | 09/12/2009 |                              |  |                               |  |                                 |  |
| 1  | 1        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 2  | 2        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 3  | 3        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 4  | 4        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 5  | 5        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 6  | 6        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 7  | 7        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 8  | 8        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 9  | 9        | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 11   | 10       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 12   | 11       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 13   | 12       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 14   | 13       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 15   | 14       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 16   | 15       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 17   | 16       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 18   | 17       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
| 19   | 18       | ✓          | ✓          | ✓          | ✓          | =          |                              |  |                               |  |                                 |  |
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|  | 33       | -          | -          | -          | -          | -          |                              |  |                               |  |                                 |  |
|  | 34       | -          | -          | -          | -          | -          |                              |  |                               |  |                                 |  |
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|  | 36       | -          | -          | -          | -          | -          |                              |  |                               |  |                                 |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>09970929 | <b>Applicant(s)/Patent Under Reexamination</b><br>KOYAMA ET AL. |
|   | <b>Examiner</b><br>Kumar, Srilakshmi K     | <b>Art Unit</b><br>2629   |

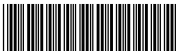
|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
|--|----------|------------|------------|------------|------------|------------|------------------------------|--|-------------------------------|--|---------------------------------|--|
| CLAIM  |          | DATE       |            |            |            |            |                              |  |                               |  |                                 |  |
| Final  | Original | 08/15/2007 | 03/21/2008 | 09/14/2008 | 05/20/2009 | 09/12/2009 |                              |  |                               |  |                                 |  |
|  | 37       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 38       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
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|  | 41       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 42       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
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|  | 44       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 45       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 46       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 47       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 48       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 49       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 50       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
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|  | 52       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 53       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
|  | 54       | ✓          | ✓          | ✓          | -          | -          |                              |  |                               |  |                                 |  |
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|   |  |   |
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| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>09970929 | <b>Applicant(s)/Patent Under Reexamination</b><br>KOYAMA ET AL. |
|   | <b>Examiner</b><br>Kumar, Srilakshmi K     | <b>Art Unit</b><br>2629   |


|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
|--|----------|------------|------------|------------|------------|------------|------------------------------|--|-------------------------------|--|---------------------------------|--|
| CLAIM  |          | DATE       |            |            |            |            |                              |  |                               |  |                                 |  |
| Final  | Original | 08/15/2007 | 03/21/2008 | 09/14/2008 | 05/20/2009 | 09/12/2009 |                              |  |                               |  |                                 |  |
| 21   | 73       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 22   | 74       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 23   | 75       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 24   | 76       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 25   | 77       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 26   | 78       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 27   | 79       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 28   | 80       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 29   | 81       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 31   | 82       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 32   | 83       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 33   | 84       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 34   | 85       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 35   | 86       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 36   | 87       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 37   | 88       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 38   | 89       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 39   | 90       | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
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|  | 108      | -          | -          |            | -          | -          |                              |  |                               |  |                                 |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>09970929 | <b>Applicant(s)/Patent Under Reexamination</b><br>KOYAMA ET AL. |
|   | <b>Examiner</b><br>Kumar, Srilakshmi K     | <b>Art Unit</b><br>2629   |


|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
|--|----------|------------|------------|------------|------------|------------------------------|--|-------------------------------|--|---------------------------------|--|
| CLAIM  |          | DATE       |            |            |            |                              |  |                               |  |                                 |  |
| Final  | Original | 08/15/2007 | 03/21/2008 | 09/14/2008 | 05/20/2009 | 09/12/2009                   |  |                               |  |                                 |  |
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|  | 111      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
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|  | 113      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 114      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 115      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 116      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 117      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 118      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 119      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 120      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 121      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 122      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 123      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 124      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 125      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 126      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 127      | -          | -          |            | -          | -                            |  |                               |  |                                 |  |
|  | 128      | -          | -          |            | -          | -                            |  |                               |  |                                 |  |
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|  | 135      | -          | -          |            | -          | -                            |  |                               |  |                                 |  |
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|  | 139      | -          | -          |            | -          | -                            |  |                               |  |                                 |  |
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|  | 142      | -          | -          |            | -          | -                            |  |                               |  |                                 |  |
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|   | <b>Examiner</b><br>Kumar, Srilakshmi K     | <b>Art Unit</b><br>2629   |

|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
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| CLAIM  |          | DATE       |            |            |            |            |                              |  |                               |  |                                 |  |
| Final  | Original | 08/15/2007 | 03/21/2008 | 09/14/2008 | 05/20/2009 | 09/12/2009 |                              |  |                               |  |                                 |  |
| 41   | 145      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
|  | 146      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |
| 42   | 147      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 43   | 148      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 44   | 149      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 45   | 150      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 46   | 151      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 47   | 152      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
|  | 153      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |
| 48   | 154      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 49   | 155      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 50   | 156      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 51   | 157      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 52   | 158      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 53   | 159      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
|  | 160      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |
| 54   | 161      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 55   | 162      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 56   | 163      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 57   | 164      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 58   | 165      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 59   | 166      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
|  | 167      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |
| 60   | 168      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 61   | 169      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 62   | 170      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 63   | 171      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 64   | 172      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 10   | 173      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 20   | 174      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
|  | 175      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |
|  | 176      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |
| 30   | 177      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
| 40   | 178      | ✓          | ✓          |            | ✓          | =          |                              |  |                               |  |                                 |  |
|  | 179      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |
|  | 180      | ✓          | ✓          |            | -          | -          |                              |  |                               |  |                                 |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>09970929 | <b>Applicant(s)/Patent Under Reexamination</b><br>KOYAMA ET AL. |
|   | <b>Examiner</b><br>Kumar, Srilakshmi K     | <b>Art Unit</b><br>2629   |

|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
|--|----------|------------|------------|------------|------------|------------------------------|--|-------------------------------|--|---------------------------------|--|
| CLAIM  |          | DATE       |            |            |            |                              |  |                               |  |                                 |  |
| Final  | Original | 08/15/2007 | 03/21/2008 | 09/14/2008 | 05/20/2009 | 09/12/2009                   |  |                               |  |                                 |  |
|  | 181      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 182      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 183      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 184      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 185      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 186      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 187      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |
|  | 188      | ✓          | ✓          |            | -          | -                            |  |                               |  |                                 |  |